



1st ed. 2019, XIV, 262 p. 90 illus., 49 illus. in color.

Printed book

Softcover

39,99 € | £34.99 | \$49.99

^[1]42,79 € (D) | 43,99 € (A) | CHF

47,50

eBook

32,09 € | £27.99 | \$39.99

^[2]32,09 € (D) | 32,09 € (A) | CHF

38,00

Available from your library or
[springer.com/shop](https://www.springer.com/shop)

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](https://www.springer.com/mycopy)

Martin Beech

Introducing the Stars

Formation, Structure and Evolution

Series: Undergraduate Lecture Notes in Physics

- Employs introductory calculus and physics to establish a basic understanding of the theory of stellar structure
- Includes step-by-step instructions and related exercises
- Specifically designed for any undergraduate science major interested in stellar structure and astrophysics

This textbook introduces the reader to the basic concepts and equations that describe stellar structure. Various approximation techniques are used to solve equations, and an intuitive rather than rigorous approach is employed to interpret the properties of the stars. The book provides step-by-step instructions, helpful exercises and relevant historical lessons to familiarize students with key concepts and mathematical theories. Based upon a series of one-semester (12 weeks) elective undergraduate courses offered at the University of Regina, this book is intended for students who are interested in seeing how basic calculus and introductory physics can be applied to the understanding of the stars from their formation to their death. The text provides an intermediate stepping stone between lower-level undergraduate classes and more specialized postgraduate texts on the subject of stellar structure.

Order online at [springer.com](https://www.springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

